

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No. 83/20-21

Dt. 29-1-2021

No. 1st & Final bill

Date..... 2010 29-1-2021

Division: Electrical (yelahanka)

Sub-Division: Electricals

Bill Received No.

Dated

Divisional

Cash Book Voucher No..... Dated.....

Sub Divisional

Job Code :-006-20-000168

Schedule Docket No.

Head of Account : P-CODE:P 0287

D.R.No. :

Name of Work : Providing, laying and connecting Aerial Bunched Cables/damaged poles/panel boards to

Bholarajapuram constituency : Ward No-6.

Name of Contractor and Full Address: Sri Pradeep Kumar S.N. Pro of M/S. Ganga Enterprises

Reference to Agreement No:EE/Ele/YZ/WO/000013/20-21

Date:16/06/2020

Certified that the measurements were taken by me on 14/12/20 and recorded of Pages to of measurement Book No. 2570/19-20 and that the work is satisfactorily executed. 256936 to 2940

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 14/12/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Assistant Executive Engineer (Ele)

Sub-Division Officer

BBMP, Bangalore

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.....
- 3) " Balance
- 4) Deduct Payment:
 - a) Amount of previous payment as in the Office Cash Book Voucher
No.....Dated.....S.D. No..... Amount adjusted
 - b) Payments } cost store or other material supplied.
Now made } recovery of amount creditable to this/other work
Amount paid on this bill Cheque / Cash.
- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No.....
dated.....less adjustments.
- 7) Net amount due to or from Contractor unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Bill = 372294 = 00

IT 14. 3723 = 00

NWCL 14. 3723 = 00

SE 14. 372 = 00

SG 14. 3205 = 00

CG 14. 3205 = 00

deductions = 14228 = 00

Cheque = 358066 = 00

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Dated

Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

372294 = 00

358066 = 00

14228 = 00

Executive Engineer

Sl. No	Description	Unit
	Name Of Work:- Providing, laying and correcting Aerial Bunched Cables/damaged poles/panel boards to Telecom layout double road,via railway gate to MCHS layout double road in Ward No-6	
1	Digging of Pits 1.8 mtr depth for erection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing. Ordinary Soil	Nos
2	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos
3	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos
4	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos
5	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos
6	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole 8Mtr and above street light pole.	Nos
7	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM KPWD ELE SR 2014-15	Per Mtr
8	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr
9	Piercing connector suitable for 16 sqmm - 95 sqmm AB cable -steel light connection. Bescom SR of 2010-11, Page no 16 of 34, Serial no 51.12.	Each
10	Suspension clamp assembly 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page no 16 of 34, SI no 51.17.	Each
11	Dead end clamp / Anchor clamp assembly 25 to 95 sqmm bare messenger, Bescom SR of 2010-11, Page no 16 o 34, SI no 51.16.	Each
12	Universal Hook and Bolts and Nuts, Bescom SR of 2010-11, Page no 16 of 34, SI no. 51.15.	Each
13	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page No 21 of 27, SI No 51.13.	Each
14	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.. Group A, PWD Elec SR 2006-07.	Each
15	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.26/5.14.1	Each
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100-125Amps26/5.13.4	Each
17	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps SP27/5.17.2	Each
18	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4	Mtrs
19	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs
20	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.41/6.6.1	Mtrs
21	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG KPWD ELE SR Page-30/5.42.2	sq.cm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		7 ✓	328.00 ✓	2296.00 ✓	7 ✓	2296.00 ✓	✓
		7 ✓	304.00 ✓	2128.00 ✓	7 ✓	2128.00 ✓	✓
		7 ✓	800.00 ✓	5600.00 ✓	7 ✓	5600.00 ✓	✓
		7 ✓	273.00 ✓	1911.00 ✓	7 ✓	1911.00 ✓	✓
		6 ✓	800.00 ✓	4800.00 ✓	6 ✓	4800.00 ✓	✓
		7 ✓	500.00 ✓	3500.00 ✓	7 ✓	3500.00 ✓	✓
		1496 ✓	113.00 ✓	169048.00 ✓	1496 ✓	169048.00 ✓	✓
		1496 ✓	8.00 ✓	11968.00 ✓	1496 ✓	11968.00 ✓	✓
		5 ✓	27.00 ✓	135.00 ✓	5 ✓	135.00 ✓	✓
		5 ✓	180.00 ✓	900.00 ✓	5 ✓	900.00 ✓	✓
		1 ✓	140.00 ✓	140.00 ✓	1 ✓	140.00 ✓	✓
		2 ✓	180.00 ✓	360.00 ✓	2 ✓	360.00 ✓	✓
		5 ✓	45.00 ✓	225.00 ✓	5 ✓	225.00 ✓	✓
		4 ✓	2200.00 ✓	8800.00 ✓	4 ✓	8800.00 ✓	✓
		4 ✓	3850.00 ✓	15400.00 ✓	4 ✓	15400.00 ✓	✓
		7 ✓	5800.00 ✓	40600.00 ✓	7 ✓	40600.00 ✓	✓
		12 ✓	513.00 ✓	6156.00 ✓	12 ✓	6156.00 ✓	✓
		97 ✓	110.00 ✓	10670.00 ✓	97 ✓	10670.00 ✓	✓
		97 ✓	15.00 ✓	1455.00 ✓	97 ✓	1455.00 ✓	✓
		75 ✓	46.00 ✓	3450.00 ✓	75 ✓	3450.00 ✓	✓
		99650 ✓	0.25 ✓	24912.50 ✓	99650 ✓	24912.50 ✓	✓

22	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. KPWD ELE SR Page-24/5.7.3 100Amps	E
23	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3	M
24	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwidth RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	
Total Rs		
Add GST Item No 15 to 23 Rs 111859.5 @ 12%		
Total Rs		

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Mr. Babbar
7/8/24

[Signature]
Assistant Executive Engineer (Ele)
BBMP, Bangalore

ch		18	127.00	2286.00	18	2286.00	
trs		198	35.00	6930.00	198	6930.00	
No		1	35200	35200.00	1	35200.00	
				358870.50		358870.50	
				13423.14		13423.14	
				372293.64		372293.64	

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	Total Rs

Certificate: 1. Certified that the Above Work has been carred out satisfactorily

Mr. Babu
7/1/24

[Signature]
Assistant Executive Engineer (Ele)
BBMP, Bangalore